

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1           Claim 1 (original) A multi-mode cellular phone  
2           terminal comprising:

3           radio communications means connected to an antenna for  
4           transmitting/receiving radio waves;

5           signal processing means for transmitting/receiving a  
6           transmit/receive signal to/from said radio communication  
7           means; and

8           communications control means for controlling said  
9           radio communications means and said signal processing  
10          means, said multi-mode cellular phone terminal supporting  
11          a plurality of communications systems,

12          wherein said radio communications means is composed of  
13          hardware to be use in common by a plurality of  
14          communications systems, and said signal processing means is  
15          composed of hardware to execute signal processing  
16          supporting a plurality of communications systems.

1           Claim 2 (currently amended) A multi-mode cellular  
2           phone terminal according to claim 1, wherein said signal  
3           processing means can support a plurality of different bit  
4           rates and modulation systems by using ~~the~~ a same

5       communications control system.

1           Claim 3       (original) A multi-mode cellular phone  
2       terminal according to claim 1, wherein communications  
3       control means can support different communications control  
4       systems and that said signal processing means can support  
5       different bit rates and modulation systems.

1           Claim 4 (currently amended) A multi-mode cellular  
2       phone terminal according to claim 2, wherein ~~said~~ a clock  
3       having a frequency necessary for modulation/demodulation at  
4       a plurality of different bit rates is generated by  
5       frequency division means for making integral frequency  
6       division via different dividing number or fractional  
7       frequency division of a common reference clock output from  
8       a single oscillator.

1           Claim 5 (currently amended) A multi-mode cellular  
2       phone terminal according to claim 3, wherein ~~said~~ a clock  
3       having a frequency necessary for modulation/demodulation at  
4       a plurality of different bit rates is generated by  
5       frequency division means for making integral frequency  
6       division via different dividing number or fractional  
7       frequency division of a common reference clock output from  
8       a single oscillator.

1           Claim 6 (original) A multi-mode cellular phone  
2     terminal according to claim 2, wherein said signal  
3     processing means executes modulation/demodulation  
4     supporting a plurality of communications systems and has a  
5     signal processor composed of common hardware and memory  
6     storing a plurality of signal processing programs.

1           Claim 7 (original) A multi-mode cellular phone  
2     terminal according to claim 3, wherein said signal  
3     processing means executes modulation/demodulation  
4     supporting a plurality of communications systems and has a  
5     signal processor composed of common hardware and memory  
6     storing a plurality of signal processing programs.

1           Claim 8 (original) A multi-mode cellular phone  
2     terminal according to claim 2, wherein said signal  
3     processing means has a signal processor composed of common  
4     hardware and read/write memory storing the minimum signal  
5     processing programs to support each communications system.

1           Claim 9 (original) A multi-mode cellular phone  
2     terminal according to claim 3, wherein said signal  
3     processing means has a signal processor composed of common  
4     hardware and read/write memory storing the minimum signal  
5     processing programs to support each communications system.

1           Claim 10 (original) A multi-mode cellular phone  
2           terminal according to claim 3, wherein said communications  
3           control means has a controller supporting a plurality of  
4           communications systems and memory storing control programs  
5           supporting the multi-mode.

1           Claims 11 (original) A multi-mode cellular phone  
2           terminal according to claim 4, wherein said multi-mode  
3           cellular phone terminal has a system timer for switching  
4           over a plurality of clocks generated by said frequency  
5           division means and counting different timings to support a  
6           plurality of communications systems.

1           Claims 12 (original) A multi-mode cellular phone  
2           terminal according to claim 5, wherein said multi-mode  
3           cellular phone terminal has a system timer for switching  
4           over a plurality of clocks generated by said frequency  
5           division means and counting different timings to support a  
6           plurality of communications systems.

1           Claim 13 (currently amended) A multi-mode cellular  
2           phone terminal ~~according to claim 10, comprising~~  
3           radio communications means connected to an antenna for  
4           transmitting/receiving radio waves;  
5           signal processing means for transmitting/receiving a  
6           transmit/receive signal to/from said radio communication

7       means; and

8               communications control means for controlling said

9       radio communications means and said signal processing

10       means, said multi-mode cellular phone terminal supporting

11       a plurality of communications systems,

12               wherein said radio communications means is composed of

13       hardware to be use in common by a plurality of

14       communications systems, and said signal processing means is

15       composed of hardware to execute signal processing

16       supporting a plurality of communications systems,

17               wherein communications control means can support

18       different communications control systems and that said

19       signal processing means can support different bit rates and

20       modulation systems,

21               wherein said communications control means has a

22       controller supporting a plurality of communications systems

23       and memory storing control programs supporting the multi-

24       mode, and

25               wherein said multi-mode cellular phone terminal

26       establishes connection of a voice call or data

27       communications by switching over and counting a plurality

28       of timings to support a plurality of communications systems

29       and maintaining the system timing synchronization

30       supporting a plurality of communications systems.

1               Claim 14 (currently amended) A multi-mode cellular

2     phone terminal ~~according to claim 11,~~ comprising

3             radio communications means connected to an antenna for  
4     transmitting/receiving radio waves;

5             signal processing means for transmitting/receiving a  
6     transmit/receive signal to/from said radio communication  
7     means; and

8             communications control means for controlling said  
9     radio communications means and said signal processing  
10    means, said multi-mode cellular phone terminal supporting  
11    a plurality of communications systems,

12            wherein said radio communications means is composed of  
13    hardware to be use in common by a plurality of  
14    communications systems, and said signal processing means is  
15    composed of hardware to execute signal processing  
16    supporting a plurality of communications systems,

17            wherein communications control means can support  
18    different communications control systems and that said  
19    signal processing means can support different bit rates and  
20    modulation systems,

21            wherein said multi-mode cellular phone terminal has a  
22    system timer for switching over a plurality of clocks  
23    generated by said frequency division means and counting  
24    different timings to support a plurality of communications  
25    systems, and

26            wherein said multi-mode cellular phone terminal  
27    establishes connection of a voice call or data

28       communications by switching over and counting a plurality  
29       of timings to support a plurality of communications systems  
30       and maintaining the system timing synchronization  
31       supporting a plurality of communications systems.

1           Claim 15 (currently amended) A multi-mode cellular  
2       phone terminal ~~according to claim 12,~~ comprising  
3           radio communications means connected to an antenna for  
4       transmitting/receiving radio waves;  
5           signal processing means for transmitting/receiving a  
6       transmit/receive signal to/from said radio communication  
7       means; and  
8           communications control means for controlling said  
9       radio communications means and said signal processing  
10       means, said multi-mode cellular phone terminal supporting  
11       a plurality of communications systems,  
12           wherein said radio communications means is composed of  
13       hardware to be use in common by a plurality of  
14       communications systems, and said signal processing means is  
15       composed of hardware to execute signal processing  
16       supporting a plurality of communications systems,  
17           wherein communications control means can support  
18       different communications control systems and that said  
19       signal processing means can support different bit rates and  
20       modulation systems,  
21           wherein a clock having a frequency necessary for

22     modulation/demodulation at a plurality of different bit  
23     rates is generated by frequency division means for making  
24     integral frequency division via different dividing number  
25     or fractional frequency division of a common reference  
26     clock output from a single oscillator, and

27             wherein said multi-mode cellular phone terminal  
28     establishes connection of a voice call or data  
29     communications by switching over and counting a plurality  
30     of timings to support a plurality of communications systems  
31     and maintaining the system timing synchronization  
32     supporting a plurality of communications systems.

1             Claim 16 (original) A multi-mode cellular phone  
2     terminal according to claim 13, characterized in that said  
3     multi-mode cellular phone terminal performs a handover  
4     between different communications systems by providing  
5     monitoring means for monitoring the receiving state to  
6     support the communications system of the handover  
7     destination in the idle period of an established  
8     communications system in connecting a voice call or data  
9     communications and by maintaining the system timing  
10    synchronization to support the communications system of the  
11    handover destination.

1             Claim 17 (original) A multi-mode cellular phone  
2     terminal according to claim 14, characterized in that said



3 multi-mode cellular phone terminal performs a handover  
4 between different communications systems by providing  
5 monitoring means for monitoring the receiving state to  
6 support the communications system of the handover  
7 destination in the idle period of an established  
8 communications system in connecting a voice call or data  
9 communications and by maintaining the system timing  
10 synchronization to support the communications system of the  
11 handover destination.

1 Claim 18 (original) A multi-mode cellular phone  
2 terminal according to claim 15, characterized in that said  
3 multi-mode cellular phone terminal performs a handover  
4 between different communications systems by providing  
5 monitoring means for monitoring the receiving state to  
6 support the communications system of the handover  
7 destination in the idle period of an established  
8 communications system in connecting a voice call or data  
9 communications and by maintaining the system timing  
10 synchronization to support the communications system of the  
11 handover destination.